DOCUMENT RESUME

ED 021 771 SE 005 045

SCIENCE EDUCATION INFORMATION REPORT, GENERAL BIBLIOGRAPHY SERIES 7, SCIENCE AND SOCIETY, HISTORY OF SCIENCE EDUCATION, SCIENCE HISTORY, GENERAL STUDIES AND SURVEYS.

ERIC Information Analysis Center for Science Education, Columbus, Ohio.

Pub Date May 68

Note- 29p.

EDRS Price MF-$0.25 HC-$1.24

Descriptors-*BIBLIOGRAPHIES, BIOLOGY, CHEMISTRY, COLLEGE SCIENCE, DOCTORAL THESES, EARTH SCIENCE, EDUCATIONAL RESEARCH, ELEMENTARY SCHOOL SCIENCE, INSTRUCTION, INTERNATIONAL EDUCATION, PHYSICAL SCIENCES, PHYSICS, *SCIENCE EDUCATION HISTORY, *SCIENCE HISTORY, SCIENTIFIC ENTERPRISE, SCIENTIFIC LITERACY, SECONDARY SCHOOL SCIENCE, SOCIOECONOMIC INFLUENCES, STUDENT ATTITUDES, TEACHER EDUCATION

This is the seventh in a series of general bibliographies which are being developed to disseminate information concerning documents analyzed at the ERIC Information Analysis Center for Science Education. Reported are over 85 citations to selected documents in the areas of (1) science and society, (2) the history of science education, (3) science history, and (4) general studies and surveys. The documents include research reports, research reviews, conference reports, project reports, position papers, textbooks, manuals, and speeches. The citations are categorized under the major areas in alphabetical order by author and indicate the availability and major ideas of the document. General bibliographies have been or are being prepared for other selected areas in science education. All bibliographies will be supplemented periodically as more documents are processed by the ERIC Information Analysis Center for Science Education. (DS)

SEIAC
AN ERIC CENTER
SCIENCE EDUCATION INFORMATION REPORT

General Bibliography Series
Bibliography 7

Science and Society
History of Science Education
Science History, General Studies and Surveys

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION POSITION OR POLICY.

ED021771

SE005 045

SEIAC/SCIENCE EDUCATION INFORMATION ANALYSIS CENTER

. . . an information center to organize and disseminate information and materials on science education to teachers, administrators, supervisors, researchers, and the public. A joint project of The Ohio State University and the Educational Resources Information Center of USOE.

SCIENCE EDUCATION INFORMATION REPORT

General Bibliography Series
Bibliography 7

Science and Society
History of Science Education
Science History, General Studies and Surveys

ERIC Information Analysis Center
for Science Education
1460 West Lane Avenue
Columbus, Ohio 43221

May, 1968

BIBLIOGRAPHY 7

Table of Contents **Page**

Science and Society **1**

History of Science Education **5**

Science History **10**

General Studies and Surveys **12**

SCIENCE EDUCATION INFORMATION REPORTS

The Science Education Information Reports are being developed to disseminate information concerning documents analyzed at the ERIC Information Analysis Center for Science Education. The Reports include five types of publications. *General Bibliographies* are being issued to announce most documents processed by the Information Analysis Center for Science Education. These bibliographies are categorized by topics and indicate the availability of the document and the major ideas included in the document. *Special Bibliographies* are being developed to announce availability of documents in selected interest areas. These bibliographies will list most significant documents that have been published in the interest area. *Guides to Resource Literature for Science Teachers* are bibliographies that identify references for the professional growth of teachers at all levels of science teaching. This series will include six separate publications. *State-of-the-Art Papers* will be issued periodically to indicate implications of research for science teaching. *Research Reviews* will be issued to analyze and synthesize research related to science education over a period of several years.

The Science Education Information Reports will be announced in the *SEIAC Newsletter* as they become available.

GENERAL BIBLIOGRAPHIES

The *General Bibliographies* are being developed to announce the documents acquired and processed by the ERIC Information Analysis Center for Science Education. The bibliographies will focus on general topics. This bibliography announces most documents related to the topic that were included in the first 2,000 documents processed by this Center. Supplements will be issued as documents are processed.

USING BIBLIOGRAPHIC CITATIONS

All documents are listed by similar bibliographic citations. A sample citation is explained for your convenience. You will find it helpful to study the explanation of the sample citation before using this bibliography.

SAMPLE OF BIBLIOGRAPHIC CITATION

(1) SE 001 505 (2) 07 12 67 (3) 20 86 29 (4) 1 (5) 00 000 004
(6) KLOPFER, LEOPOLD E.
(7) THE USE OF CASE HISTORIES IN SCIENCE TEACHING
(8) SCHOOL SCIENCE AND MATHEMATICS
(9) 11 00 64 (10) 4
(11) *BIOLOGY, *CHEMISTRY, *SCIENCE HISTORY, *PHYSICS, *SCIENCE CASE HISTORIES, *SECONDARY SCHOOL SCIENCE, *TEACHING TECHNIQUES, PROGRAM DESCRIPTIONS

EXPLANATION OF BIBLIOGRAPHIC CITATION

(1) (SE 001 505)

This is the Science Education Center's identification number for the document. It serves as the name for the document and our way of locating the material.

(2) (07 12 67)

The second field contains the date the citation was typed at our Center (July 12, 1967).

(3) (20 86 29)

Field three is a code for developing bibliographies. By using this code several kinds of bibliographies can be structured by retrieval specialists or by computer programs.

(4) 1

This field indicates the level of processing of the document.

1--cataloged and indexed
2--cataloged, indexed, and annotated or abstracted
3--announced in *Research in Education*

(5) (00 000 004)

The source of the document has also been coded for computer search. This number identifies where the document can be obtained. It usually designates the same source as field seven.

(6) KLOPFER, LEOPOLD E.

The principal author, editor, or organization associated with the writing of the document is listed.

(7) THE USE OF CASE HISTORIES IN SCIENCE TEACHING

Title of the document.

(8) SCHOOL SCIENCE AND MATHEMATICS

This indicates where the document was obtained by the Center.

(9) (11 00 64)

This field designates the publication date of the document (November, 1964). The first set of two numerics represents the month; the second, the day of the month; and the third, the year. In most cases the date is obtained from the document. In a few cases, when no date of publication is on the document, the date is estimated based on the best information available in the document.

(10) 4

Field ten identifies the number of pages in the document. This document contains four pages. Use of this field will provide information concerning the length of the document.

(11) *BIOLOGY, *CHEMISTRY, *SCIENCE HISTORY, *PHYSICS, *SCIENCE CASE HISTORIES, *SECONDARY SCHOOL SCIENCE, *TEACHING TECHNIQUES, PROGRAM DESCRIPTIONS

This field provides an indication of the ideas included in the document. Each term, such as *BIOLOGY, has been selected by an information analyst because the term is important for the identification of the document. Terms marked with an asterisk represent primary ideas in the document; the other terms represent ideas of lesser importance. You can use this information to narrow the number of documents you want to review.

SCIENCE AND SOCIETY

1. SE 001 992 08 23 67 20 92 17 2 22 000 319
BELT, SIDNEY LEON
MEASURING ATTITUDES OF HIGH SCHOOL PUPILS TOWARD SCIENCE AND SCIENTISTS

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

59 180
*EVALUATION, *RESEARCH REPORTS, *SCIENTIST STEREOTYPES, *STUDENT ATTITUDES, *SECONDARY SCHOOL SCIENCE, *SCIENCE AND SOCIETY, NEW JERSEY, TESTING, PURDUE OPINION PANEL POLLS

2. SE 000 876 09 07 67 10 95 10 2 00 000 078
DART, FRANCIS E. AND PRADHAM, PANNA LAL
CROSS-CULTURAL TEACHING OF SCIENCE

SCIENCE

02 10 67 8
*CULTURAL DIFFERENCES, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *EDUCATIONAL PLANNING, *INTERNATIONAL EDUCATION, *SCIENCE EDUCATION, NATURAL SCIENCES, RESEARCH REPORTS, NEPAL, HAWAII, 1965

3. SE 001 215 07 25 67 20 92 17 2 22 000 319
HUBBARD, HOWARD NEWTON
JUNIOR HIGH SCHOOL STUDENTS' PERCEPTIONS OF SCIENCE AND SCIENTISTS

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

64 260
*SCIENTISTS, *SCIENCE AND SOCIETY, *SECONDARY SCHOOL SCIENCE, *STUDENT ATTITUDES, GRADE 8, RESEARCH REPORTS

4. SE 001 505 07 12 67 20 86 29 1 00 000 004
KLOPFER, LEOPOLD E.
THE USE OF CASE HISTORIES IN SCIENCE TEACHING

SCHOOL SCIENCE AND MATHEMATICS

11 00 64 4
*BIOLOGY, *CHEMISTRY, *SCIENCE HISTORY, *PHYSICS, *SCIENCE CASE HISTORIES, *SECONDARY SCHOOL SCIENCE, *TEACHING TECHNIQUES, PROGRAM DESCRIPTIONS, HISTORY

5. SE 001 076 08 28 67 20 92 17 2 00 000 008
KLOPFER, LEOPOLD E. AND COOLEY, WILLIAM W.
THE HISTORY OF SCIENCE CASES FOR HIGH SCHOOLS IN THE DEVELOPMENT OF STUDENT UNDERSTANDING OF SCIENCE AND SCIENTISTS

JOURNAL OF RESEARCH IN SCIENCE TEACHING

03 00 63 15
*NATURAL SCIENCE, *SCIENCE AND SOCIETY, *SCIENTIFIC ENTERPRISE, *STUDENT ATTITUDES, *SECONDARY SCHOOL SCIENCE, EDUCATIONAL OBJECTIVES, INSTRUCTIONAL PROCEDURES, ACADEMIC ACHIEVEMENT, HISTORY OF SCIENCE CASES FOR HIGH SCHOOLS (HOSC), COOPERATIVE CHEMISTRY TEST, COOPERATIVE PHYSICS TEST, 1960, 1961

6. SE 001 144 06 09 67 20 85 17 1 00 000 004
KOELSCHE, CHARLES L.
SCIENTIFIC LITERACY AS RELATED TO THE MEDIA OF MASS COMMUNICATION

SCHOOL SCIENCE AND MATHEMATICS

11 00 65 4
*ELEMENTARY SCHOOL SCIENCE, *MASS MEDIA, *SCIENTIFIC LITERACY, *SECONDARY SCHOOL SCIENCE, SCIENTIFIC VOCABULARY, SCIENTIFIC PRINCIPLES, SCIENCE AND SOCIETY, TECHNOLOGY AND SOCIETY, *RESEARCH REPORTS

7. SE 000 904 06 30 67 20 85 20 1 00 000 006
LEE, ADDISON E.
CURRENT PROBLEMS IN SCIENCE EDUCATION

SCIENCE EDUCATION

03 00 65 6
*COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT, *SCIENTIFIC LITERACY, *SCIENCE EDUCATION PROBLEMS, ELEMENTARY SCHOOL SCIENCE, SECONDARY SCHOOL SCIENCE, SCIENCE INSTRUCTION, TEACHER ATTITUDES, PAPERS, AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES

8. SE 000 560 06 29 67 20 95 03 2 32 000 200
NEW YORK STATE DEPARTMENT OF EDUCATION
SCIENCE IN SOUTH ASIA, PAST AND PRESENT—A PRELIMINARY BIBLIOGRAPHY

NEW YORK STATE DEPARTMENT OF EDUCATION

66 100
*SCIENTIFIC RESEARCH, *TECHNOLOGY, *SCIENCE EDUCATION, *ASTRONOMY, BIOLOGY, CHEMISTRY, EARTH SCIENCE, MEDICINE, SPACE SCIENCE, INDIA, PAKISTAN, CEYLON, CARNEGIE ENDOWMENT FOR INTERNATIONAL PEACE, ROCKEFELLER UNIVERSITY, *BIBLIOGRAPHIES, NATURAL SCIENCES

9. SE 000 797 09 07 67 20 86 20 2 00 000 008
REDFIELD, DAVID D.
THE PHILOSOPHICAL BASIS OF MODERN SCIENCE

JOURNAL OF RESEARCH IN SCIENCE TEACHING

12 00 65 10
*SCIENCE HISTORY, *SCIENCE PHILOSOPHY, *SCIENTIFIC ENTERPRISE, EDUCATIONAL OBJECTIVES

10. SE 001 794 08 18 67 20 95 37 1 42 000 188
SEABORG, GLENN T.
SCIENCE AND OUR SOCIETY

U. S. ATOMIC ENERGY COMMISSION, DIVISION OF TECHNICAL INFORMATION

05 00 66 99
*ATOMIC ENERGY, *SCIENCE HISTORY, *SCIENCE AND SOCIETY, *TEACHER RESOURCE MATERIALS, ADULT EDUCATION, COLLEGE SCIENCE, NUCLEAR POWER, SPEECHES, SECONDARY SCHOOL SCIENCE

11. SE 001 351 08 29 67 20 96 19 2 00 000 011
WEAVER, WARREN
WHY IS IT SO IMPORTANT THAT SCIENCE BE UNDERSTOOD?

IMPACT OF SCIENCE ON SOCIETY

66 10
*SCIENCE AND SOCIETY, *SCIENTIFIC ENTERPRISE, EDUCATIONAL OBJECTIVES, NATURAL SCIENCES, SCIENTIFIC LITERACY

12. SE 001 031 08 15 67 20 95 20 1 00 000 006
WINTHROP, HENRY
ACQUAINTING SCIENCE TEACHERS WITH THE SOCIAL IMPACT OF SCIENCE AND TECHNOLOGY

SCIENCE EDUCATION

12 00 66 2
*SCIENTIFIC LITERACY, *SCIENCE AND SOCIETY, *SCIENTIFIC ENTERPRISE, *SECONDARY SCHOOL SCIENCE, SCIENCE AND TECHNOLOGY, BIBLIOGRAPHIES

13. SE 001 030 09 27 67 20 86 20 1 00 000 006
WINTHROP, HENRY
PROFESSIONAL PROJECTIONS OF FUTURE SCIENCE AND TECHNOLOGY AND THEIR BEARINGS ON SOCIAL CHANGE

SCIENCE EDUCATION

12 00 66 6
*SCIENCE AND SOCIETY, *SCIENTIFIC ENTERPRISE, *SCIENTIFIC LITERACY

14. SE 001 127 07 21 67 20 86 17 1 49 000 225

WOOD, ROGER L. AND OTHERS

AN ANALYSIS OF THE CONTENT OF SCIENTIFICALLY AND/OR TECHNOLOGICALLY ORIENTED ARTICLES APPEARING IN A SAMPLE OF CAPITAL CITY NEWSPAPERS

UNIVERSITY OF WISCONSIN, MADISON

66 7

*MASS MEDIA, *RESEARCH REPORTS, *SCIENTIFIC LITERACY, *SCIENCE AND SOCIETY, TECHNOLOGY AND SOCIETY, SCIENTIFIC ENTERPRISE, COOPERATIVE RESEARCH PROJECT, U. S. OFFICE OF EDUCATION

HISTORY OF SCIENCE EDUCATION

1. SE 001 249 08 17 67 21 32 04 1 00 000 009
ANDREWS, C. L.
JOSEPH HENRY

THE PHYSICS TEACHER

01 00 65 3
*BIOGRAPHIES, *PHYSICS, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, *SCIENCE TEACHERS, *SCIENCE EDUCATION HISTORY, SCIENCE EDUCATORS

2. SE 001 252 07 26 67 21 36 04 1 00 000 009
COOLIDGE, WILLIAM DAVID
WILLIAM DAVID COOLIDGE

THE PHYSICS TEACHER

05 00 65 3
BIOGRAPHIES, AUTOBIOGRAPHIES, PHYSICISTS, SCIENCE EDUCATION, SCIENCE EDUCATORS, SCIENTISTS

3. SE 001 072 07 13 67 21 86 20 1 00 000 008
CURTIS, FRANCIS D.
THE EVOLUTION OF SCIENCE EDUCATION RESEARCH

JOURNAL OF RESEARCH IN SCIENCE TEACHING

03 00 63 2
*EDUCATIONAL RESEARCH, *SCIENCE EDUCATION HISTORY, *SCIENCE EDUCATION

4. SE 000 889 07 14 67 21 16 04 1 00 000 006
DEXTER, RALPH W.
NATURE LORE AT GARRETTSVILLE AS REVEALED BY THE DIARIES OF GEORGE J. STREATOR 1881-1887

SCIENCE EDUCATION

02 00 66 7
BIOLOGY, NATURALISTS, NATURAL HISTORY, *BIOGRAPHIES, GEORGE J. STREATOR

5. SE 000 019 07 20 67 21 12 18 3 06 000 238
HURD, PAUL DEHART
BIOLOGICAL EDUCATION IN AMERICAN SECONDARY SCHOOLS 1890-1960

WAVERLY PRESS

61 261
*BIOLOGY, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, CURRICULUM, COURSE CONTENT, EDUCATIONAL OBJECTIVES, HISTORY, TEACHING METHODS, TEXTBOOKS, BIOLOGICAL SCIENCES CURRICULUM STUDY, AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, NATIONAL SCIENCE FOUNDATION, RESEARCH REVIEWS

6. SE 000 894 06 29 67 21 86 18 1 00 000 006
KUSLAN, LOUIS I.
RENSSELAER AND BRIDGEWATER-A FOOTNOTE IN THE HISTORY OF AMERICAN SCIENTIFIC EDUCATION

SCIENCE EDUCATION

02 00 66 5
COLLEGES, NORMAL SCHOOLS, SCIENCE EDUCATION, TEACHER EDUCATION, RENSSELAER POLYTECHNIC INSTITUTE, BRIDGEWATER NORMAL SCHOOL, HISTORICAL REVIEWS

7. SE 000 962 08 15 67 21 86 20 1 00 000 001
LEHN, HOWARD M.
THE CHURCH'S STRUGGLE WITH SCIENCE

THE AMERICAN BIOLOGY TEACHER

12 00 65 2
*SCIENCE AND RELIGION, *SCIENCE HISTORY, *TEACHER RESOURCE MATERIALS, SCIENCE ATTITUDES, *SCIENCE AND SOCIETY

8. SE 001 083 07 13 67 21 86 04 1 00 000 008
MAYFIELD, JOHN C.
WILBUR LEE BEAUCHAMP, 1891-1962

JOURNAL OF RESEARCH IN SCIENCE TEACHING

03 00 63 1
*BIOGRAPHIES, *SCIENCE EDUCATION HISTORY, *SCIENCE EDUCATION, *SCIENCE EDUCATORS

9. SE 001 403 07 26 67 21 33 04 1 00 000 009
NEHER, H. V.
MILLIKAN-TEACHER AND FRIEND

THE PHYSICS TEACHER

11 00 64 4
*BIOGRAPHIES, *SCIENCE EDUCATION HISTORY, *PHYSICS, *SCIENCE EDUCATION, *SCIENTISTS, *SCIENCE EDUCATORS, SPEECHES, AMERICAN ASSOCIATION FOR PHYSICS TEACHERS, MILLIKAN LECTURES

10. SE 000 347 08 21 67 21 86 29 1 00 000 007
OBOURN, ELLSWORTH S. AND JOHNSON, LLOYD K.
NARST-ITS CONCERN FOR RESEARCH

THE SCIENCE TEACHER

12 00 64 1

*EDUCATIONAL RESEARCH, *SCIENCE EDUCATION, *PROFESSIONAL ORGANIZATIONS, GENERAL SCIENCE QUARTERLY, JOURNAL OF RESEARCH IN SCIENCE TEACHING, NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING, NATIONAL SOCIETY FOR THE STUDY OF EDUCATION, DIGESTS OF RESEARCH

11. SE 001 471 08 22 67 21 86 20 1 00 000 004
PANUSH, LOUIS
TWENTY-FIVE YEARS OF THE AAAS COOPERATIVE COMMITTEE ON THE TEACHING OF SCIENCE AND MATHEMATICS

SCHOOL SCIENCE AND MATHEMATICS

05 00 67 3

*SCIENCE EDUCATION HISTORY, *PROFESSIONAL ORGANIZATIONS, *PAPERS, *SCIENCE EDUCATION, MATHEMATICS EDUCATION, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, COOPERATIVE COMMITTEE ON THE TEACHING OF SCIENCE AND MATHEMATICS (AAAS), CENTRAL ASSOCIATION OF SCIENCE AND MATHEMATICS TEACHERS

12. SE 001 071 08 22 67 21 86 20 2 00 000 008
POWERS, SAMUEL RALPH
THE BEGINNINGS OF ORGANIZED RESEARCH IN THE TEACHING OF SCIENCE

JOURNAL OF RESEARCH IN SCIENCE TEACHING

03 00 63 2

*EDUCATIONAL RESEARCH, *PROFESSIONAL ORGANIZATIONS, *SCIENCE EDUCATION, RESEARCHERS, SCIENCE EDUCATORS, NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING

13. SE 000 896 07 11 67 21 86 04 1 00 000 006
PRUITT, CLARENCE M.
ANNA MAY GEMMILL 1878-1962

SCIENCE EDUCATION

02 00 66 2

SCIENCE EDUCATION, SCIENCE EDUCATORS, BIOGRAPHIES

14. SE 000 908 06 23 67 21 86 04 1 00 000 006
PRUITT, CLARENCE M.
ARTHUR OAKLEN BAKER

SCIENCE EDUCATION

02 00 65 4
*SCIENCE EDUCATORS, SCIENCE EDUCATION, BIOGRAPHIES

15. SE 000 895 07 11 67 21 86 04 1 00 000 006
PRUITT, CLARENCE M.
BENJAMIN CHARLES GRUNEBERG

SCIENCE EDUCATION

02 00 66 5
SCIENCE EDUCATION, SCIENCE EDUCATORS, BIOGRAPHIES

16. SE 000 897 06 23 67 21 86 04 1 00 000 006
PRUITT, CLARENCE M.
EDITH MARIE SELBERG

SCIENCE EDUCATION

03 00 65 4
*SCIENCE EDUCATION, *SCIENCE EDUCATORS, *BIOGRAPHIES

17. SE 001 033 07 31 67 21 86 04 1 00 000 006
PRUITT, CLARENCE M.
FREDERIC BOOTH DUTTON

SCIENCE EDUCATION

03 00 66 3
BIOGRAPHIES, SCIENCE EDUCATION, SCIENCE EDUCATORS, MICHIGAN STATE UNIVERSITY

18. SE 000 909 06 23 67 21 86 04 1 00 000 006
PRUITT, CLARENCE M.
HARRY ALLEN CUNNINGHAM

SCIENCE EDUCATION

02 00 65 2
*SCIENCE EDUCATORS, SCIENCE EDUCATION, *BIOGRAPHIES

19. SE 001 456 07 26 67 21 86 04 1 00 000 006
PRUITT, CLARENCE M.
JOHN CUNLIFFE MAYFIELD

SCIENCE EDUCATION

03 00 67 2
*BIOGRAPHIES, *SCIENCE EDUCATION HISTORY, *SCIENCE EDUCATION, *SCIENCE EDUCATORS

20. SE 000 886 06 23 67 21 86 04 1 00 000 006
PRUITT, CLARENCE M.
MILTON ORVILLE PELLA

SCIENCE EDUCATION

02 00 66 4
*SCIENCE EDUCATION, *SCIENCE EDUCATORS, *BIOGRAPHIES

21. SE 001 074 07 13 67 21 86 20 1 00 000 008
WATKINS, RALPH K.
TO THE NEW GENERATION IN NARST

JOURNAL OF RESEARCH IN SCIENCE TEACHING

03 00 63 2
*PROFESSIONAL ORGANIZATIONS, *SCIENCE EDUCATION, NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING, HISTORICAL REVIEWS, SCIENCE EDUCATION HISTORY

22. SE 001 073 07 13 67 21 86 20 1 00 000 008
WEBB, HANOR A.
FAMOUS FIRSTS OF NARST

JOURNAL OF RESEARCH IN SCIENCE TEACHING

03 00 63 1
*PROFESSIONAL ORGANIZATIONS, *SCIENCE EDUCATION, NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING, HISTORICAL REVIEWS, SCIENCE EDUCATION HISTORY

23. SE 001 193 07 31 67 21 36 06 1 00 000 009
WINCH, RALPH P.
PROCEEDINGS OF THE AMERICAN ASSOCIATION OF PHYSICS TEACHERS

THE PHYSICS TEACHER

05 00 66 1
*CONFERENCE REPORTS, *PHYSICS, *PROFESSIONAL ORGANIZATIONS, *SCIENCE EDUCATION, SCIENCE EDUCATION HISTORY, AMERICAN ASSOCIATION OF PHYSICS TEACHERS

SCIENCE HISTORY

1. SE 001 264 11 13 67 23 86 17 2 22 000 319
DANIELS, GEORGE HARRISON, JR.
BACONIAN SCIENCE IN AMERICA, 1815-1845

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

63 358
*RESEARCH REPORTS, *SCIENTIFIC ENTERPRISE, *SCIENCE HISTORY, DOCTORAL THESES, SCIENCE AND SOCIETY, PHILOSOPHY, 1963, BACONIAN SCIENCE

2. SE 000 134 10 18 67 23 23 18 2 00 000 003
HAMMETT, LOUIS P.
PHYSICAL ORGANIC CHEMISTRY IN RETROSPECT

JOURNAL OF CHEMICAL EDUCATION

09 00 66 6
*COLLEGE SCIENCE, *CHEMISTRY, *ORGANIC CHEMISTRY, *PHYSICAL ORGANIC CHEMISTRY, *RESEARCH REVIEW, BIBLIOGRAPHIES, SCIENCE HISTORY, SPEECHES, AMERICAN CHEMICAL SOCIETY

3. SE 001 180 11 09 67 23 95 20 2 00 000 009
HUNTOON, R. D.
THE BASIS OF OUR MEASUREMENT SYSTEM

THE PHYSICS TEACHER

03 00 66 4
*CHEMISTRY, *MEASUREMENT, *PHYSICS, *SCIENCE HISTORY, BIOLOGY, METRIC SYSTEM, MEASUREMENT STANDARDS, MASS, PHYSICAL CONSTANTS, TEMPERATURE, TIME, INSTITUTE OF BASIC STANDARDS, NATIONAL BUREAU OF STANDARDS, INTERNATIONAL BUREAU OF STANDARDS

4. SE 001 303 11 16 67 21 86 17 2 22 000 319
REIF, SISTER MARY RICHARD
NATURAL PHILOSOPHY IN SOME EARLY SEVENTEENTH CENTURY SCHOLASTIC TEXTBOOKS

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

62 374
*PHILOSOPHY, *RESEARCH REPORTS, *SCIENCE EDUCATION, *SCIENCE EDUCATION HISTORY, *SCIENCE HISTORY, TEXTBOOKS, DOCTORAL THESES, TEXTBOOK RESEARCH, 1962

5. SE 001 761 11 01 67 23 25 20 1 00 000 003

WOLFENDEN, JOHN H.

THE ROLE OF CHANCE IN CHEMICAL INVESTIGATION

JOURNAL OF CHEMICAL EDUCATION

05 00 67 5

*CHEMISTRY, *SCIENTIFIC METHODOLOGY, *SERENDIPITY, *SCIENCE HISTORY, NEW ENGLAND ASSOCIATION OF CHEMISTRY TEACHERS, COLLEGE SCIENCE, RESEARCH METHODOLOGY

GENERAL STUDIES AND SURVEYS

1. SE 000 008 07 24 67 22 32 17 3 33 000 200
ANDERSON, NORMAN D. AND GOODE, JOHN M.
THE STATUS OF PHYSICS TEACHING IN NORTH CAROLINA

NORTH CAROLINA STATE DEPARTMENT OF EDUCATION

9
*PHYSICS, *SECONDARY SCHOOL SCIENCE, *PHYSICS TEACHERS, *TEACHER QUALIFICATIONS, *TEACHER EDUCATION, COLLEGE SCIENCE, NORTH CAROLINA

2. SE 000 670 07 27 67 22 92 17 1 00 000 004
BENNETT, LLOYD M.
COMPARISON OF CURRENT SCIENCE TEACHING PRACTICES IN TEXAS HIGH SCHOOLS

SCHOOL SCIENCE AND MATHEMATICS

02 00 66 6
*EDUCATIONAL TRENDS, *ENROLLMENTS, *JUNIOR HIGH SCHOOL, *SECONDARY SCHOOL SCIENCE, *SCHOOL ORGANIZATION, *TIME ALLOCATION, *SCIENCE FACILITIES, RESEARCH REPORTS

3. SE 001 036 08 22 67 22 92 17 2 00 000 006
BENNETT, LLOYD M.
CURRENT PRACTICES IN SCIENCE TEACHING IN THE JUNIOR HIGH SCHOOLS OF TEXAS

SCIENCE EDUCATION

03 00 66 6
*COURSE CONTENT, *SCIENCE FACILITIES, *SECONDARY SCHOOL SCIENCE, *TEACHING METHODS, GRADE 7, GRADE 8, TEACHING ASSIGNMENTS, 1964, RESEARCH REPORTS

4. SE 000 264 07 10 67 18 12 32 1 06 000 238
BIOLOGICAL SCIENCES CURRICULUM STUDY
BSCS NEWSLETTER 21

BIOLOGICAL SCIENCES CURRICULUM STUDY, UNIVERSITY OF COLORADO, BOULDER

04 00 64 40
*BIOLOGY, *LABORATORY EQUIPMENT, *NEWSLETTERS, *SCIENCE COURSE IMPROVEMENT PROJECTS, *SECONDARY SCHOOL SCIENCE, LABORATORY SUPPLIES SCIENCE EDUCATION, 1964, BIOLOGICAL SCIENCES CURRICULUM STUDY, BOULDER, COLORADO

5. SE 000 824 09 14 67 22 82 17 2 00 000 008
BLACKWOOD, PAUL E.
SCIENCE TEACHING IN THE ELEMENTARY SCHOOL—A SURVEY OF PRACTICES

JOURNAL OF RESEARCH IN SCIENCE TEACHING

09 00 65 21
*ELEMENTARY SCHOOL SCIENCE, *RESEARCH REPORTS, *SCHOOL ORGANIZATION, *SCIENCE EQUIPMENT, *SCHOOL SURVEYS, AUDIOVISUAL AIDS, CURRICULUM DEVELOPMENT, EDUCATIONAL OBJECTIVES, INSERVICE EDUCATION, SCIENCE TEACHERS, SECONDARY SCHOOL SCIENCE, U. S. OFFICE OF EDUCATION, NATIONAL SCIENCE FOUNDATION, NATIONAL DEFENSE EDUCATION ACT, 1965

6. SE 001 956 09 05 67 22 91 17 2 22 000 319
BRANDOW, FREDERICK MILTON
ORGANIZATION, PRESENT PRACTICE AND CHANGES IN ELEMENTARY SCIENCE PROGRAMS

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

59 399
*COURSE EVALUATION, *ELEMENTARY SCHOOL SCIENCE, *RESEARCH REPORTS, *SCHOOL ORGANIZATION, *TEACHING METHODS, ADMINISTRATION, NATURE STUDY, CURRICULUM, LEGISLATIVE ACTS, PROBLEM SOLVING, TEACHER QUALIFICATIONS, TEXTBOOKS, 1959

7. SE 001 313 11 17 67 22 82 17 2 22 000 319
BROGDON, WALLACE MURROW
AN ANALYSIS OF CERTAIN FACTORS PERTINENT TO SCIENCE EDUCATION PROGRAMS IN GEORGIA HIGH SCHOOLS

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

62 218
*CURRICULUM, *CURRICULUM EVALUATION, *RESEARCH REPORTS, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, *TEACHER CHARACTERISTICS, *TEACHER QUALIFICATIONS, *TEACHER EDUCATION, CLASS SIZE, DOCTORAL THESES, SCHOOL CONSOLIDATION, TEACHER SALARIES, TEACHER OPINION, TEACHER ROLE, 1962, NATIONAL SCIENCE FOUNDATION, GEORGIA

8. SE 000 917 09 07 67 22 95 18 3 51 000 279
BROWN, KENNETH E. AND BLACKWOOD, PAUL E.
SCIENCE EDUCATION RESEARCH STUDIES - 1953

U. S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE, OFFICE OF EDUCATION

54 32
*COLLEGE SCIENCE, *EDUCATIONAL RESEARCH, *ELEMENTARY SCHOOL SCIENCE, *SECONDARY SCHOOL SCIENCE, *SCIENCE EDUCATION, RESEARCH, INSTRUCTION, RESEARCH REVIEWS

9. SE 001 261 08 28 67 22 33 17 2 22 000 319
CLARIDGE, GEOFFREY GEORGE
A STUDY OF THE EVENTS AND TRENDS IN PROGRAMS FOR THE PREPARATION OF ASTRONOMERS IN THE UNITED STATES

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

63 117

*ASTRONOMY, *COLLEGE SCIENCE, *DEGREES (ACADEMIC), *RESEARCH REPORTS, *SCIENCE CAREERS, MATHEMATICS, PHYSICS, PROGRAM DESCRIPTIONS, STUDENT QUALIFICATIONS, 1963

10. SE 000 490 08 18 67 22 95 17 2 08 000 200
DELAWARE STATE DEPARTMENT OF PUBLIC INSTRUCTION
STATUS OF SCIENCE TEACHING IN PUBLIC SCHOOLS OF DELAWARE

DELAWARE STATE DEPARTMENT OF PUBLIC INSTRUCTION

05 00 61 63

*ELEMENTARY SCHOOL SCIENCE, *RESEARCH REPORTS, COURSE OFFERINGS, ENROLLMENT, SECONDARY SCHOOL SCIENCE, SCIENCE EQUIPMENT, SCIENCE FACILITIES, TEACHER QUALIFICATIONS, TEACHER ATTITUDES, 1960, 1961, DELAWARE,. NATIONAL DEFENSE EDUCATION ACT

11. SE 001 831 11 14 67 22 81 17 2 22 000 319
DILLON, JESSE D.
AN ANALYSIS OF SCIENCE TEACHERS IN MARYLAND ELEMENTARY SCHOOLS, WITH LIMITED COMPARISONS TO PRACTICES REVEALED IN A NATION-WIDE STUDY

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 203

*CURRICULUM PLANNING, *ELEMENTARY SCHOOL SCIENCE, *INSERVICE TEACHER EDUCATION, *PROGRAM COSTS, *RESEARCH REPORTS, *SCIENCE CONSULTANTS, *SCIENCE FACILITIES, *SCIENCE EQUIPMENT, *TEACHING METHODS, DOCTORAL THESES, INTEGRATED CURRICULUMS, MARYLAND, 1965

12. SE 000 682 07 19 67 22 93 06 3 51 000 239
EISS, ALBERT F. (EDITOR)
SCIENCE EDUCATION IN THE JUNIOR COLLEGE--PROBLEMS AND PRACTICES

NATIONAL SCIENCE TEACHERS ASSOCIATION

66 53

*COLLEGE SCIENCE, *GENERAL EDUCATION, *SCIENCE EDUCATION, *SCIENCE INSTRUCTION, *VOCATIONAL EDUCATION, BIOLOGY, EARTH AND SPACE SCIENCE, JUNIOR COLLEGES, PHYSICAL SCIENCES, SPACE SCIENCE, TEACHER RESOURCE MATERIALS, REPORTS, CONFERENCES, NATIONAL SCIENCE TEACHERS ASSOCIATION, COMMISSION ON THE EDUCATION OF TEACHERS OF SCIENCE (CETS)

13. SE 001 763 11 20 67 22 86 17 3 00 000 328
ENGINEERING MANPOWER COMMISSION
DEMAND FOR ENGINEERS AND TECHNICIANS - 1966

ENGINEERING MANPOWER COMMISSION, 345 EAST 47 STREET, NEW YORK, NEW YORK

11 00 66 96
*ENGINEERS, *MANPOWER UTILIZATION, *SCIENCE EDUCATION, *SCIENTIFIC MANPOWER, *SCIENTISTS, PHYSICAL SCIENCES, SURVEYS, ENGINEERING MANPOWER COMMISSION, 1966

14. SE 001 268 08 28 67 22 85 17 2 22 000 319
FISK, FRANKLIN GREGORY
IS THE NATIONAL SCIENCE FOUNDATION BECOMING A NEW FEDERAL EDUCATIONAL AGENCY?

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

63 446
*CURRICULUM DEVELOPMENT, *FEDERAL GOVERNMENT, *RESEARCH REPORTS, *SCIENCE EDUCATION, COLLEGE SCIENCE, EDUCATIONAL FINANCE, INSTITUTES, SECONDARY SCHOOL SCIENCE, NATIONAL SCIENCE FOUNDATION, 1963

15. SE 001 998 08 23 67 22 95 17 2 22 000 319
FOSTER, FRANCIS GORDON
A SURVEY OF CERTAIN FACTORS RELATING TO THE SCIENCE PROGRAMS IN THE PUBLIC HIGH SCHOOLS OF MISSOURI, 1954-1955

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

56 369
*SCIENCE COURSES, *RESEARCH REPORTS, *SCHOOL SIZE, *SECONDARY SCHOOL SCIENCE, BIOLOGY, CHEMISTRY, CLASS SIZE, EDUCATIONAL PROGRAMS, GENERAL SCIENCE, PHYSICS, CERTIFICATION, MISSOURI, 1954

16. SE 001 697 10 25 67 22 42 20 1 00 000 197
HUME, JAMES D.
EARTH SCIENCE IN THE NEW ENGLAND PUBLIC SECONDARY SCHOOLS

JOURNAL OF GEOLOGICAL EDUCATION

12 00 64 2
*EARTH SCIENCE, *ENROLLMENTS, *SECONDARY SCHOOL SCIENCE, GRADE 7, GRADE 8, GRADE 9, TEACHER CERTIFICATION, TEACHER EDUCATION, NEW ENGLAND STATES, 1964

17. SE 001 008 07 31 67 22 92 17 1 00 000 001
HUNTER, E. C.
SCIENCE TEACHERS AND TEACHING IN LOUISIANA

THE AMERICAN BIOLOGY TEACHER

05 00 62 3
*NATURAL SCIENCE, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *TEACHER EDUCATION, *TEACHER QUALIFICATIONS, *TEACHER CHARACTERISTICS, INSERVICE EDUCATION, LOUISIANA

18. SE 000 850 07 24 67 22 95 18 3 51 000 241
JOHNSON, LLOYD K. AND OTHERS
RESEARCH IN THE TEACHING OF SCIENCE

U. S. GOVERNMENT PRINTING OFFICE

65 152
*COLLEGE SCIENCE, *EDUCATIONAL RESEARCH, *ELEMENTARY SCHOOL SCIENCE, *SECONDARY SCHOOL SCIENCE, CURRICULUM, EDUCATIONAL OBJECTIVES, LEARNING, SCIENCE TEACHING, TEACHER EDUCATION, TEACHING METHODS, RESEARCH REVIEWS, NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING

19. SE 00 914 09 07 67 22 95 18 3 51 000 279
JOHNSON, PHILIP G.
SCIENCE EDUCATION RESEARCH STUDIES - 1950

U. S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE, OFFICE OF EDUCATION

51 30
*COLLEGE SCIENCE, *EDUCATIONAL RESEARCH, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, RESEARCH, INSTRUCTION, RESEARCH REVIEWS

20. SE 000 915 09 07 67 22 95 18 3 51 000 279
JOHNSON, PHILIP G.
SCIENCE EDUCATION RESEARCH STUDIES - 1951

U. S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE, OFFICE OF EDUCATION

02 00 52 30
*COLLEGE SCIENCE, *EDUCATIONAL RESEARCH, *ELEMENTARY SCHOOL SCIENCE, *SECONDARY SCHOOL SCIENCE, *SCIENCE EDUCATION, RESEARCH, INSTRUCTION, RESEARCH REVIEWS

GPO 807-757-2

21. SE 000 916 09 07 67 22 95 18 3 51 000 279
JOHNSON, PHILIP G.
SCIENCE EDUCATION RESEARCH STUDIES - 1952

U. S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE, OFFICE OF EDUCATION

06 00 53 56
*COLLEGE SCIENCE, *EDUCATIONAL RESEARCH, *ELEMENTARY SCHOOL SCIENCE, *SECONDARY SCHOOL SCIENCE, *SCIENCE EDUCATION, RESEARCH, INSTRUCTION, RESEARCH REVIEWS

22. SE 001 280 08 29 67 22 52 17 2 22 000 319
JONES, JAMES WOODARD
THE PHYSICAL SCIENCE PROGRAM IN THE SENIOR HIGH SCHOOLS OF ARKANSAS

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

64 103
*COURSE OFFERINGS, *PHYSICAL SCIENCES, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, SCIENCE EQUIPMENT, SCIENCE FACILITIES, TEACHER QUALIFICATIONS, ARKANSAS, 1964

23. SE 001 855 10 30 67 22 91 17 2 22 000 319
KENYON, RAYMOND GEORGE
A NINE YEAR COMPARATIVE STUDY OF THE STATUS OF CONSERVATION EDUCATION IN PUBLIC ELEMENTARY SCHOOLS OF NEW YORK STATE FROM 1955 TO 1964

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 208
*BIOLOGY, *CONSERVATION EDUCATION, *CONSERVATION, *ELEMENTARY EDUCATION, *NATURAL RESOURCES, *RESEARCH REPORTS, *TEACHER EDUCATION, EARTH SCIENCE, 1965, NEW YORK, DOCTORAL THESES

24. SE 000 067 09 06 67 22 83 18 3 43 000 287
LEE, ADDISON E. AND OTHERS
RESEARCH STUDIES IN COLLEGE SCIENCE FROM JULY 1963 TO JULY 1964

UNIVERSITY OF TEXAS, AUSTIN SCIENCE EDUCATION CENTER

65 21
*COLLEGE SCIENCE, *TEACHER EDUCATION, *CURRICULUM, EVALUATION, EDUCATIONAL OBJECTIVES, EDUCATIONAL PHILOSOPHY, EDUCATIONAL RESEARCH, LEARNING, LEARNING THEORY, SCIENCE EQUIPMENT, SCIENCE FACILITIES, TEACHING METHODS

25. SE 000 282 07 12 67 07 86 20 1 00 000 001
MERTENS, THOMAS R.
PROGRAMMED INSTRUCTION AND THE CHANGING ROLE OF THE FACULTY MEMBER

THE AMERICAN BIOLOGY TEACHER

12 00 66 4
*BIOLOGY, *COLLEGE SCIENCE, *COLLEGE SCIENCE TEACHERS, *PROGRAMED INSTRUCTION, *TEACHING TECHNIQUES, GENERAL BIOLOGY, GENETICS, TEACHER ROLES

26. SE 001 681 11 09 67 22 43 19 2 00 000 197
MONNETT, V. BROWN
STATUS OF BIOLOGICAL EDUCATION IN THE UNITED STATES TODAY

JOURNAL OF GEOLOGICAL EDUCATION

03 00 62 4
*COLLEGE SCIENCE, *EARTH SCIENCE, *GEOLOGY, *STUDENT ENROLLMENT, *SPEECHES, *SURVEYS, GRADUATE STUDY, SCIENCE MAJORS, UNDERGRADUATE STUDY, RESEARCH REPORTS, 1962, AMERICAN ASSOCIATION OF PETROLEUM ENGINEERS

27. SE 000 422 09 12 67 22 92 17 3 00 000 007
NSTA STAFF
SOME STATISTICS OF UNITED STATES SECONDARY SCHOOLS, 1964-65

THE SCIENCE TEACHER

09 00 65 5
*SECONDARY SCHOOLS, *SCHOOL ORGANIZATION, *TEACHER CHARACTERISTICS, *TEACHER ASSIGNMENT, SECONDARY SCHOOL SCIENCE, *SCIENCE EDUCATION, MATHEMATICS EDUCATION, PRIVATE SCHOOLS, PUBLIC SCHOOLS, STUDENT ENROLLMENTS, TEACHING LOAD, NATIONAL SCIENCE FOUNDATION, NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS, NATIONAL ASSOCIATION OF SECONDARY SCHOOL PRINCIPALS, 1964, 1965, NATIONAL SCIENCE TEACHERS ASSOCIATION

28. SE 000 625 08 22 67 22 92 17 1 30 000 200
NEW JERSEY STATE DEPARTMENT OF EDUCATION
DIVISION OF CURRICULUM AND INSTRUCTION

NEW JERSEY STATE DEPARTMENT OF EDUCATION

03 00 66 14
*GRADE 7, *GRADE 8, *GRADE 9, *SECONDARY SCHOOL SCIENCE, COURSES, COURSE ORGANIZATION, RESEARCH REPORTS, NATURAL SCIENCES, SCIENCE EQUIPMENT, SCIENCE FACILITIES

29. SE 001 238 08 28 67 22 92 17 2 22 000 319
NORRIS, STANLEY
VIEWS ON SCIENCE EDUCATION IN FOUNDATION SUPPORTED LITERATURE

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

63 330
*CURRICULUM DEVELOPMENT, *EDUCATIONAL OBJECTIVES, *EDUCATIONAL CHANGE, *RESEARCH REPORTS, *SCIENCE EDUCATION, *TEACHER SALARIES, *TEACHING METHODS, EDUCATIONAL PHILOSOPHY, SCIENCE COURSE IMPROVEMENT PROJECT

30. SE 000 066 08 16 67 22 95 18 3 51 000 279
OBOURN, ELLSWORTH S., BLACKWOOD, PAUL E. AND OTHERS
RESEARCH IN THE TEACHING OF SCIENCE JULY 1957-JULY 1959

U. S. GOVERNMENT PRINTING OFFICE

62 84
*COLLEGE SCIENCE, *ELEMENTARY SCHOOL SCIENCE, *SECONDARY SCHOOL SCIENCE, *SCIENCE EDUCATION, CURRICULUM, EDUCATIONAL OBJECTIVES, EDUCATIONAL PHILOSOPHY, EDUCATIONAL RESEARCH, LEARNING, SCIENCE EQUIPMENT, SCIENCE FACILITIES, TEACHER EDUCATION, U. S. OFFICE OF EDUCATION, NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING, RESEARCH REVIEWS

31. SE 000 061 07 25 67 22 91 17 3 15 000 240
PORTER, T. R.
THE STATUS OF SCIENCE IN THE PUBLIC SCHOOLS OF IOWA
PART I - ELEMENTARY SCHOOL

STATE UNIVERSITY OF IOWA, IOWA CITY, IOWA

64 33
*COURSE CONTENT, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *EVALUATION, INSERVICE TEACHER EDUCATION, TEACHER QUALIFICATIONS, TEACHING PROCEDURES

32. SE 000 060 06 29 67 22 92 17 3 15 000 240
PORTER, T. R.
THE STATUS OF SCIENCE IN THE PUBLIC SCHOOLS OF IOWA
PART II - JUNIOR HIGH SCHOOL

STATE UNIVERSITY OF IOWA, IOWA CITY

65 44
*CURRICULUM DEVELOPMENT, *COURSE CONTENT, *EVALUATION, *SECONDARY SCHOOL SCIENCE, BIOLOGY, GENERAL SCIENCE, INSERVICE TEACHER EDUCATION, PHYSICAL SCIENCES, TEACHER QUALIFICATIONS, TEACHING PROCEDURES

33. SE 000 059 06 29 67 22 92 17 3 15 000 240
PORTER, T. R.
THE STATUS OF SCIENCE IN THE PUBLIC SCHOOLS OF IOWA PART III-SENIOR HIGH SCHOOL

STATE UNIVERSITY OF IOWA, IOWA CITY, IOWA

66 56
*COURSE CONTENT, CURRICULUM DEVELOPMENT, *EVALUATION, *SECONDARY SCHOOL SCIENCE, BIOLOGY, CHEMISTRY, EARTH SCIENCE, GENERAL SCIENCE, INSERVICE TEACHER EDUCATION, PHYSICS, TEACHER QUALIFICATIONS, TEACHING PROCEDURES, PHYSICAL SCIENCE STUDY COMMITTEE, CHEMICAL EDUCATION MATERIALS STUDY, CHEMICAL BOND APPROACH, BIOLOGICAL SCIENCES CURRICULUM STUDY

34. SE 001 516 11 17 67 22 82 17 2 00 000 004
RENNER, JOHN W.
SENIOR HIGH SCHOOL STUDENTS AND THE SCIENTIST, ENGINEER AND TECHNICIAN

SCHOOL SCIENCE AND MATHEMATICS

06 00 64 3
*ENGINEERS, *RESEARCH REPORTS, *SECONDARY SCHOOL STUDENTS, *SCIENTISTS, *TECHNICIANS, OCCUPATIONAL INFORMATION, SECONDARY SCHOOL SCIENCE, SURVEYS, STEREOTYPES, FRONTIERS OF SCIENCE OF OKLAHOMA, KANSAS

35. SE 001 753 10 18 67 22 23 20 1 00 000 003
SCOTT, ARTHUR F.
CHEMICAL RESEARCH AND THE SMALL COLLEGE

JOURNAL OF CHEMICAL EDUCATION

05 00 67 2
*CHEMISTRY, *COLLEGE SCIENCE, *RESEARCH, *STUDENT CAREERS, *SMALL COLLEGES, *UNDERGRADUATE RESEARCH, PAPERS, RESEARCH GRANTS, NATIONAL SCIENCE FOUNDATION, PETROLEUM RESEARCH FUND (ACS), RESEARCH CORPORATION, AMERICAN CHEMICAL SOCIETY

36. SE 000 884 08 22 67 22 86 17 1 51 000 241
SIMON, KENNETH A. AND GRANT, W. VANCE
DIGEST OF EDUCATIONAL STATISTICS 1966

U. S. GOVERNMENT PRINTING OFFICE

66 124
*EDUCATIONAL DATA, *SCHOOL ENROLLMENTS, *SCHOOL EXPENDITURES, ACADEMIC DEGREES, COLLEGE EDUCATION, FEDERAL PROGRAMS, ELEMENTARY EDUCATION, TEACHER SALARIES, SECONDARY SCHOOL EDUCATION, EDUCATIONAL STATISTICS, RESEARCH REPORTS, SURVEYS

37. SE 001 548 11 17 67 22 86 17 2 22 000 319
SNYDER, NORMAN CONRAD
SOCIO-CULTURAL BACKGROUND DIFFERENCES IN THE PERSONNEL OF THE SOCIAL, BIOLOGICAL, AND PHYSICAL SCIENCES-A CHAPTER IN THE INSTITUTIONALIZATION OF THE SCIENCES

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

65 320
*COMPARATIVE ANALYSIS, *CAREER INFLUENCES, *RESEARCH REPORTS, SOCIOCULTURAL BACKGROUND, *STUDENT CHARACTERISTICS, *STUDENT BACKGROUND, *TEACHER BACKGROUND, *TEACHER CHARACTERISTICS, 1965, BIOLOGY, DOCTORAL THESES, PHYSICAL SCIENCES, SOCIAL SCIENCE

38. SE 000 512 08 22 67 22 92 17 2 00 000 004
TWEETEN, PAUL W.
SCIENCE CURRICULUM TRENDS IN IOWA

SCHOOL SCIENCE AND MATHEMATICS

01 00 67 5
*CURRICULUM, *RESEARCH REPORTS, *STUDENT ENROLLMENTS, *SECONDARY SCHOOL SCIENCE, *SCIENCE COURSES, BIOLOGY, CHEMISTRY, EARTH SCIENCE, PHYSICS, STATE DEPARTMENT OF PUBLIC INSTRUCTION, IOWA

39. SE 000 683 09 07 67 22 33 17 3 00 000 205
UNESCO
A SURVEY OF THE TEACHING OF PHYSICS AT UNIVERSITIES

UNESCO PUBLICATIONS

66 396
*COMPARATIVE EDUCATION, *COLLEGE SCIENCE, *PHYSICS, *SCIENCE EDUCATION, HIGHER EDUCATION, INSTRUCTION, VOCATIONAL EDUCATION, PROFESSIONAL EDUCATION, SECONDARY SCHOOL SCIENCE, SCIENCE TEACHERS, SCIENCE EQUIPMENT, SCIENCE FACILITIES, TEACHER EDUCATION, 1963, UNITED NATIONS EDUCATION, SCIENTIFIC AND CULTURAL ORGANIZATION, PARIS, INTERNATIONAL UNION OF PURE AND APPLIED PHYSICS, CZECHOSLOVAKIA, THE FEDERAL REPUBLIC OF GERMANY, FRANCE

40. SE 000 726 07 27 67 22 95 17 1 00 000 205
UNESCO
WORLD SURVEY OF EDUCATION II-PRIMARY EDUCATION

UNESCO PUBLICATIONS

58 1395
*COMPARATIVE EDUCATION, *EDUCATIONAL FINANCE, *EDUCATIONAL HISTORY, *ELEMENTARY SCHOOL SCIENCE, *INTERNATIONAL EDUCATION, *STUDENT ENROLLMENTS, ADMINISTRATIVE ORGANIZATION, ADMINISTRATIVE POLICY, CURRICULUM, EDUCATIONAL TRENDS, UNESCO MEMBER STATES, REFERENCE BOOKS, BIBLIOGRAPHIES

41. SE 000 725 07 03 67 22 95 17 1 00 000 205
UNESCO
WORLD SURVEY OF EDUCATION IV-HIGHER EDUCATION

UNESCO PUBLICATIONS

66 1433
*ADMINISTRATIVE ORGANIZATION, *EDUCATIONAL HISTORY, *HIGHER EDUCATION, *INTERNATIONAL EDUCATION, *STUDENT ENROLLMENTS, ADMINISTRATIVE POLICY, *COMPARATIVE EDUCATION, CURRICULUM, EDUCATIONAL FINANCE, EDUCATIONAL TRENDS, TEACHER EDUCATION, UNESCO MEMBER STATES, REFERENCE BOOKS, BIBLIOGRAPHIES

42. SE 001 995 09 14 67 22 83 17 2 22 000 319
WEBSTER, SAMUEL OMER
SCIENCE IN GENERAL EDUCATION AT THE OKLAHOMA STATE COLLEGES

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

58 342
*COLLEGE SCIENCE, *GENERAL EDUCATION, *RESEARCH REPORTS, CURRICULUM, ADMINISTRATION, EVALUATION, HIGHER EDUCATION, OKLAHOMA, 1958

43. SE 001 581 08 21 67 22 95 17 2 49 000 200
WISCONSIN STATE DEPARTMENT OF PUBLIC INSTRUCTION
THE STATUS OF SCIENCE AND MATHEMATICS IN WISCONSIN PUBLIC SCHOOLS

WISCONSIN STATE DEPARTMENT OF PUBLIC INSTRUCTION

04 00 66 9
*ELEMENTARY SCHOOL SCIENCE, *NATURAL SCIENCES, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, ENROLLMENTS, MATHEMATICS, TEACHER QUALIFICATIONS, BIOLOGICAL SCIENCES CURRICULUM STUDY, PHYSICAL SCIENCE STUDY COMMITTEE, EARTH SCIENCE CURRICULUM PROJECT, CHEMICAL BOND APPROACH, CHEMICAL EDUCATION MATERIALS STUDY, INTRODUCTORY PHYSICAL SCIENCE

44. SE 001 324 11 17 67 22 92 17 2 22 000 319
WOODARD, ROBERT LEWIS
THE SCIENCE OFFERINGS, ENROLLMENTS, FACILITIES, AND SCIENCE TEACHERS IN THE PUBLIC SECONDARY SCHOOLS OF UPSTATE NEW YORK, FALL 1958 AND 1961

UNIVERSITY MICROFILMS, ANN ARBOR, MICHIGAN

63 232
*CURRICULUM DEVELOPMENT, *ENROLLMENT TRENDS, *SECONDARY SCHOOL SCIENCE, *TEACHER QUALIFICATIONS, *TEACHER SALARIES, CURRICULUM, EVALUATION, BIOLOGY, CHEMISTRY, EARTH SCIENCE, GENERAL SCIENCE, PHYSICS, PHYSICAL SCIENCES, SCIENCE FACILITIES, TEACHER BACKGROUND, SURVEYS, NEW YORK, 1961, 1963

45. SE 001 258 08 22 67 22 32 17 2 00 000 009

YOUNG, VICTOR J.

SURVEY ON ENROLLMENTS IN PHYSICS

THE PHYSICS TEACHER

03 00 65 3

*PHYSICS, *RESEARCH REPORTS, *SECONDARY SCHOOL SCIENCE, *STUDENT ATTITUDES, *TEACHER ATTITUDES, SCHOOL ENROLLMENTS, 1964

GPO 807-757-1